The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are $20 U.S. third class mail, $25 U.S./Canada/Mexico airmail, $25 by surface and $30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4541 USA or to P O Box 762, Menlo Park, CA 94026 USA. My Internet address is frank@sneezy.sri.com. The bulletin may be freely quoted, provided that credit is given.

W6AJF, Frank Jones

Bob, K6QXY, passes along word that old-time VHF pioneer Frank Jones, W6AJF, passed away the night of November 11. He was a frequent 50 MHz contact of mine (from W7QDJ) in the 1950s. In addition to his activities on VHF, Frank may be remembered as the author of ***VHF for the Radio Amateur***, part of the CQ Technical Series, published in 1961. The book was especially notable in that the contents were of equipment that he had designed and built himself. Bob notes that Frank was active on 432 as recently as 1991.

Now is the time for all

good six meters hams to prepare for the DX seasons to come. Is your six meter station airworthy? Or, perhaps, have the electrolytics dried up and the tubes gone gassy. Are your amplifiers no longer linear? Have mice built nests inside some of your equipment? Might some of the connections both in the shack and on the antennas have failed due to corrosion? Is your antenna rotator inoperative? Don't wait until the DX starts rolling in to find these problems.

And if time can play havoc with **your** equipment stateside, just imagine what time, humidity, and salt air can do if you're on some island. Many DX locations formerly active on 6 meters cannot be counted active any more. Now is the time to rebuild bridges to these DX locations, to re-equip them if necessary.

You cannot count on DXpeditions to go to all the rare 6m DX spots during the times when propagation will be best for you. It is all of our interests to establish nuclei of 6m activity in locations remote and rare for 6m DX.

I do not think that one 6 meter station in a really remote DX country is sufficient. Who's he going to work during the long periods when the band is closed? How's he going to find out that time has taken its toll on his station? I suspect that the total number of 6 meter DX contacts made by home stations in a remote DX location will be proportional not to the number of stations active from that location, but to the square or cube of that number.

All this preaching to the choir is by way of introduction to a letter I received from EH8BPX in the Canary Islands. As I am not literate in the Spanish language, but am relying on computer software to do the translation, I am printing both Spanish and English versions so that the more knowledgeable of you may compare. Non-Spanish words have been enclosed in <> brackets. The English translation has been edited, the Spanish translation of my reply has not.

Letter from the Canary Is.

Estimado Colega:

Muchas gracias por su oferta para suscribirse a su boletín pero en estos momentos no me es posible suscribir me.

Escribo estas líneas en español con la esperanza de que sean conocimientos del inglés son muy escasos.

Quisiera desde estas paginas pedir perdón si me he retrasado un poco en la confirmación de los contactos pues la imprenta tardo algo mas de lo previsto en confeccionar las tarjetas <qsl>.

A titulo de comentario os diré que obtuve licencia para operar los 50 <MHz> en la última remesa que aprobaron las autoridades españolas para la banda es decir las consedidas a partir de Mayo de este año. Mis condiciones de trabajo es un antiguo <Yaesu> <FT> 680 <R> con el cual tengo algunos problemas de los cuales ya comentare mas adelante, la antena es una tres elementos de fabricación casera lo único que he podrido fabricar ya que en la isla no es fácile consequir material para fabricar este tipo de antenas, y las que son comercializadas no se consiguen aun. En este periodo de tiempo comprendido entre el 20 de Mayo y el 11 de Julio he realizado un total de 1170 contactos trabajando 3 continentes, 42 países del <DXCC>, mas de 200 locator <grid > <square>, y espero conseguir aun mucho mas.

Mi <QTH> esta localizado al norte de la isla con buenas vistas hacia Europa y America a una altitud de unos 500 metros sobre el nivel del mar y la verdad que estas condiciones así como la banda me han hecho pasar unos buenos ratos de radio que espero, seguir disfrutando en el futuro. Por el momento solo trabajo foní y espero que en un año que es el tiempo que tiene mi licencia hacer grandes cosa en esta banda siempre y cuando la propagación me lo permita.

Quisiera aprovechar la ocasión para pedir ayuda a los colegas americano. Mi problema es el siguiente, mi <transceiver> es un viejo <Yaesu FT 680R> y tengo algun problema con el como el conector del micro, esta mal y tiene algunos cables sueltos, las memorias no funcionan, cuando se apaga y vuelvo a encender el dial se presenta en la frecuencia mas baja que el equipo posee, <etc.>, el mas grave es que no dispongo de manual de instrucciones, tampoco del esquema para poder reparar en caso necesario, agradeceria a algún colega que me pudiera hacer las gestiones con <Yaesu> <USA> o algún otro colega que me pudiera facilitar una fotocopia del esquema y manual original del equipo lo agradeceria mucho. He observado que hay problemas con mi dirección el motivo es que me he cambiado de <QTH> y la <U.R.E.> y el <callbook> no tienen notificación del hecho para salir de dudas mi dirección es la siguiente, mi <grid> <square> es IL18SK.

Agradecido de antemana muchas gracias y un saludo para todos.

Esteemed Colleague:

Thank you for your offer to subscribe to your bulletin, but in these times is not possible for me to subscribe. I am writing these lines in Spanish because my knowledge of English is very limited.

I wish from these pages to ask for forgiveness if I have fallen behind a little in the confirmation of the contacts. The printing of the QSL cards has taken a somewhat longer time than was foreseen.

I obtained a license to operate the 50 MHz band in the latest round of approvals by the Spanish authorities starting from May of this year. I work with an old Yaesu FT 680 R with which I have been having some problems (more on that later), the antenna is a three element beam of homemade construction which has deteriorated. It is not easy to obtain material to manufacture this type of antenna on the island, and commercial antennas are not available at all.

In the period of time between May 20 and July 11 I have made a total of 1170 contacts working 3 continents, 42 DXCC countries, more than 200 grid square locators, and I hope to work many more.

My QTH is located to the north of the island at an altitude of some 500 meters above sea level with a good view toward Europe and America. This location and band conditions have allowed me to have some good times on the radio that I hope to continue enjoying in the future. For the time being, I can only work fone and I hope that in the next year that I have my license to make a good showing on this band provided the propagation will permit it.

I want to take advantage of the opportunity in order to request assistance to the American colleagues. My problem is the following, my transceiver is an old Yaesu FT 680R and I have some problem which eats up the microphone connector badly, it has some loose cables, the memories don't operate, when it goes off and I turn on the dial again it is tuned to the lowest frequency which the equipment possesses, etc. The most serious problem is that I don't have the instruction manual, nor the schematic in order to make necessary repairs.

I would be very grateful to any colleague that could contact Yaesu USA or could make me a photocopy of the schematic and the original manual.

I have noted that there are problems with my address the reason is that I have changed my QTH and the U.R.E and the callbook haven't received notification of the deed. In order to leave no doubts my address is the following, my grid square is IL18SK.

Thanks in advance and greetings to all.

Avelino Martin San Nicolas, EH8BPX
Chamiana No. 15
38370 La Matanza
Tenerife, Canary Isl.
SPAIN

Dear Sir,

I have received and translated your letter. I may publish it in the November bulletin.

I am sorry to hear of your problems with your FT680R transceiver and 50 MHz antenna. I ordered an owner's manual for the FT680R. They did not publish a shop or service manual. The owner's manual does contain schematic diagrams, however.

I wish it were possible for me to transfer some of the aluminum and antennas that are corroding in my back yard. The shipping costs from West Coast USA would be prohibitive.

The solution to your problems might involve sending you a replacement transceiver and antenna, perhaps even an antenna rotator. These would best be sent from a location closer to you. Could you advise us of shipping routes and of any customs problems? It would be most unfortunate for someone in Europe or the U.S.A. to send you some equipment and for it to be tied up in customs for your being unable to pay the duty.

In summary, I am purchasing a manual and will send it you. I am not offering to repair or replace your transceiver or antenna. I am requesting further information that will make it easier for someone to do so. I will attempt to spread the news of your plight with the hope that persons or organizations closer to you will respond. This letter will be translated by computer program. I hope that you will be able to understand the meaning despite the translation errors which inevitably occur.

Estimado Señor,

Yo tengo recibido y traducida su carta. Yo podría lo publicar en el boletín de Noviembre.

Yo soy triste para oír hablar de sus problemas con su FT680R transceiver y 50 MHZ antena. Yo ordené un manual de propietario para el FT680R. Ellos no hicieron publican una tienda o reparan manual. El manual de propietario contiene diagrama esquemáticos, sin embargo.

Yo deseo que fue posible para mi para transfer algunas del aluminium y antenas que corroenen en mi traspatio. Los costos de expedición de U.S.A. de Costa Del oeste sería prohibitiva.

La solución a sus problemas involucren enviarle un transceiver de reemplazo y antena, tal vez siquiera una antena hace girar. Este rebulliría sea enviado de un lugar más cercano a usted. ¿Usted nos podría aconsejar de rutas de expedición y de cualquieros problemas de aduana? Sería más desafortunado para alguien en Europa o el U.S.A. para enviarle algún equipo y para a sea atado arriba en aduana para que usted sea inhábil para pagar el deber.

En resumen, yo soy compras un manual y lo enviaré usted. Yo no soy ofreciendo para reparar o reemplazar su transceiver o antena. Yo solicito más información que lo hará más fácil para alguien para hacer tan. Yo trataré de para extender las noticias de su apuro con la esperanza que personas u organizaciones más cercano a usted responderá. Esta carta será traducida por programa de computadora. Yo espero que usted será capaz de comprender el significado a pesar de los errores de traducción cual inevitable ocurren.

October-November 1995 DX Reports

The following reports of 50 MHz and higher DX propagation are courtesy of G4UPS, SM7AED's ***Six-metre Info***, JA1VOK's columns ***World VHF News*** in **FIVE NINE** and ***V,UHF DX Topics*** in **MOBIL HAM**, JH1WHS, ZL1MQ, GJ4ICD, KD4MYC, N4EJW, W5DO, K6QXY, NJ7A, and postings on the Internet. Reports by SM3EQY, SM7FJE, and OZ3ZW are via ***6-metre Info***. Apologies to any sources I may have inadvertently neglected.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 1995. A + to the right of the time indicates the observation was one of several in a time period and is probably later than the time reported. A ~ indicates approximate time. The grid square of the observing station may occur after a > symbol; however a time after > indicates the opening was still in progress at this

time. A t indicates tentative identification of a TV station. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, S=SSB, W=mode not mentioned, H=heard only.

Reports of Africa

CEUTA & MELILLA

```
10231259 EH9IB  59/57 IM85 PETER     S G4UPS
10311322 EH9IB  55  WKG S5 -1342     H G4UPS
10311322 EH9IB  IM85         50.1098   I5MXX
10311359 EH9IB                         PA3GML
```

MALAWI

```
10131857 7Q7RM          TEP    50.112    IK8DYD
```

MARION IS: ZS6WB advises that a beacon is presently in operation on 50.200 MHz CW from Marion Island. The beacon transmits a series of dots followed by the ID "DE ZR1DCE/ZS8". It can be broken during the standby period. It is presently using 10 Watts from an IC551 to a dipole antenna, but this will be increased to 170 Watts during December & January for over-the-(south)pole Es tests to VK. The antenna orientation favors N/S. Packet reports to ZS6WB@ZS6AI.TVL.ZAF.AF or by fax to RSA +12-45-2735. The present operator has a limited VHF license and there is no HF operation from ZS8 now; but an operator with a full license is expected with the relief crew in March.

TUNISIA>: QSL cards for 50 MHz **only** may be sent to Zika Jovanovic, YT1AU, Pos. Norvezana 9b, VI/25, 11500 Obrenovac, YUGOSLAVIA.

```
10231120 3V8BB  JM56 QSL VIA YT1AU     SM7AED
10241200 3V8BB  -1300 WEAK           H G3OIL
10261118 3V8BB  579/559 JM56 -1129   C G4UPS
```

Reports of Asia

CHINA

```
11070435 C1 TV VID S1 -0440 49.7495 V VK3ALM
11070555 C1 TV VID S1 -0557 49.7495 V VK3ALM
```

JAPAN: JH1WHS writes, "I am very active on 6m RTTY and looking for DX stations. We have over 100 stations on 6m RTTY in Japan. Please call me below 50.100!" Sorry, we in the U.S.A. do not have authorization for any RTTY in the DX portion of the band. I see that 50.700 is listed as a RTTY calling frequency in at least one band plan, but that is probably AFSK. Please let us know what parameters you are using for RTTY in Japan, so that some of us can at least listen for you. Parameters? You know, Baudot or ASCII (& corresponding number of bits and parity), baud rate, emission type and amount of shift.

```
11030329 JR2HCB                        C ZL1MQ
11030330 JA5CMO                        S ZL3NE
11030334 JA5FFJ                        C ZL1MQ
11030335 JH2HCB                        C ZL1MQ
11030340 JA5FFJ                        C ZL3NE
11030344 JA5CMO                        S ZL1MQ
11030400 JA3JTG                        S ZL3NE
11030402 JA5CPS                        S ZL3NE
11030405 JA5CMO                        S ZL2KT
11030407 JA2YJT                        S ZL3NE
11030410 JA3JTG                        S ZL3NE
11030412 JA2POK                        S ZL3NE
11030412+JA2BDN                        S ZL2KT
11030420 JJ2IVG, 0423 JA2JKE          C ZL3NE
11030425 JI2EVL, 0427 JA1VOK          C ZL3NE
11030430 JA1VOK, 0437 JF3BFS/3        C ZL1MQ
11030438 JA2DDN  ALSO BY ZL2KT        S ZL3NE
11030438+JA3JTJ                        S ZL2KT
11030442 JF3BES, 0500 JA2BZY          C ZL3NE
11030502 JA6LPW                        C ZL3NE
11030503 JA2BXY                        C ZL1MQ
11030503+JA5CMO ALSO BY ZL4TBN        S ZL1TMF
11070638 JH1WHS  59 PM96>QF22  .150 S VK3ALM
11070640 JE2DWZ  59 PM85>QF22  .160 S VK3ALM
```

KAZAKHSTAN: UN3G, Valery, in Kazakhstan has received a 6m license for 50-54 MHz with 10W on CW & SSB.

Reports of Europe

AZORES

```
10121410 CU3URA                        B IK2GSO
10231400 CU3URA 559   -1445           B IK2GSO
```

CRETE

```
10111625 SV9SIX 569                    B G4UPS
10271526 SV9SIX 599  >JO50VI 50.010 B DL6NCI
10311050 SV9SIX 599 KM25>JN45  .010 B I2WSG
```

CROATIA

```
10231608 9A6W   JN74                     SM7AED
```

DENMARK

```
09271718 OZ3ZW   JO54 > JO65           H SM7AED
09271718+OZ5AGJ  JO56 > JO65           H SM7AED
09271718+OZ8ABE  JO55 > JO65           H SM7AED
10182341 OZ1RH   JO65  > JP81 AU         SM3EQY
10230818 OZ4VV   579                   H G4UPS
10301650+OZ5AGJ  JO56 > JO65 AU          SM7AED
10301705 OZ3ZW   JO54 > JO65 AU          SM7AED
```

ENGLAND

```
09271734 G4FVP         > JO65          H SM7AED
09280450 G3CCH & 0800  IO93  MS          SM7AED
09280750 G4UPS         IO93  MS          SM7AED
09290750 G4UPS, 0802 G3CCH MS+E-SCAT     SM7AED
10070800 G3CCH  -0810  IO93  ES      W SM7AED
10111532 G4UPS cross-band QSO to 28      EH1DVY/p
10131442 G4UPS  IO80  > JP81 ES          SM3EQY
10131444 G3ZYY  IO70  > JP81 ES          SM3EQY
10182309 G3HBR  IO91  > JP81 AU          SM3EQY
10231204 G4UPS crossband to 28 >IN71     EA1MO
```

ESTONIA

```
09271718 ES6QD         > JO65          H SM7AED
09271724 ES6QB  KP37   > JP81 AU          SM3EQY
10041329 ES1CW  KO29   > JP81 AU          SM3EQY
10301600+ES1CW -1700   > JO65 AU      H SM7FJE
10301600+ES0SIX -1700 > JO65 AU       B SM7FJE
```

FAROE ISLANDS

```
09271805 OY9JD   IP62 > JO65             SM7AED
```

FINLAND

```
09271545 OH1SIX  KP11 > JO65           B SM7AED
09271739 OH3MF   KP20 > JO65           W SM7AED
09271815 OH9SIX  KP37 > JO65 AUE       B SM7AED
09272113 OH8MDG KP24  > JP81 AU          SM3EQY
10182200 OH8MFI KP23  > JP81 AU          SM3EQY
10301600+OH1SIX -1700 > JO65 AU       B SM7FJE
10301650 OH1SIX KP11 > JO65 AU        B SM7AED
```

FRANCE: G4UPS reports hearing French Military Police on 50.00 MHz FM using the callsign PC October 11 at 1500Z.

```
10111549 F6ECS 57/57 JN12LO JACK      S G4UPS
10111557 F6ECS  JN12  > JO54 ES          OZ3ZW
1019     F1RG         > JP81 ES          SM3EQY
10231050 F1JG   59 WKG G               H G4UPS
10231213 F1GHX 59/59 JN24JT PAUL      S G4UPS
10311051 F5BYM    IN94>JN71  50.162     IK8MKK
```

GERMANY

```
09271728 DF9CY   JO54 > JO65           W SM7AED
09271802 DL9GKA  JO63 > JO65             SM7AED
09271902 DF8AA         > JO65            SM7AED
10301716 DL9GKA  JO63 > JO65  AU       W SM7AED
10311014 DL3AMA 559/559 JO51           C G4UPS
10311015 DJ6TK   569                   H G4UPS
```

GIBRALTAR

```
10101829 ZB2VHF 569  -1851          B G4UPS
10111343 ZB2VHF 589      >IO80JV    B G4UPS
10121040 ZB2VHF                     B 9A3FT
10121055 ZB2VHF 339, 599 @ 1110     B G4UPS
10131025 ZB2VHF 569 -1100           B G4UPS
10231120 ZB2VHF 599   -1345         B G4UPS
10251205 ZB2VHF 559 IN/OUT -1215    B G4UPS
10291310 ZB2VHF 599    -1317        B G4UPS
10301150 ZB2VHF 579    -1201        B G4UPS
10311113 ZB2VHF 559 IM76>JO50 .0358 B DL3AT
10311317 ZB2VHF 559 --> 599         B G4UPS
10311345 ZB2VHF 599 -1435 JO22      B PA3GML
11011100 ZB2VHF  579  ES            B IK8MKK
11052100 ZB2VHF 599          50.035 B GJ4ICD
```

GREECE

```
10111455 SV1SIX 449/559  >IO80JV    B G4UPS
10111625 SV1SIX 579                 B G4UPS
10121000 SV1SIX, SV9SIX 579 -1430   B SP5QIL
10131100 SV1SIX, SV9SIX 559 -1500   B SP5QIL
10271342 SV1SIX 579 KM17>JN53  .040 B I5MXX
10311059 SV1SIX 529 KM17>JN71  .040 B IK8MKK
```

ITALY: JA1VOK writes that Italian hams are expected to receive use of a full MHz, 50-51 MHz, on a secondary basis.

```
10111615 IK8MKK 57/55 JN71 MIKE     S G4UPS
10111617 I2AE   59/59 JN55BN PAUL   S G4UPS
10111647 I4DZ   59/59 JN64CD CARLO  S G4UPS
10111807 IK0FTA 59/59 JN61 SERGIO   S G4UPS
10121410 IK2GSO 59/59 ENRICO        S G4UPS
10121720 IK0FHZ 59/59 JN62AP ENNIO  S G4UPS
10121723 IK0FTA 59 JN61 SERGIO      S G4UPS
10121728 IW0BET 55/55 JN61 GIOVANNI S G4UPS
10231134 I5XDL  57/57 JN52 SILVANO  S G4UPS
10231229 IK2GSO 599/599 & 1237      C G4UPS
10241214 IK5RLP 55 -1259              SP5XMU
```

MALTA

```
10111826 9H1AW  559/519 JM75 ALAN   C G4UPS
10171106 9H1AW  559/559 JM75 ALAN   W G4UPS
10221805 9H1AW 59+           50.110   SM7FJE
10221850 9H1AW/GW3LDH JM75>JO42 59    DF4BJ
10311228 9H5ET  59 JM75>JN45 50.154   I2WSG
```

NETHERLANDS

```
09271908 PA3FYM       > JO65          SM7AED
```

NORWAY

```
09271815 LA7SIX  JP99 > JO65 AUE    B SM7AED
10121926 LA7UIA 569/449 REIDAR .005 C G4UPS
```

POLAND

```
10111338 SR5SIX 579      >IO80JV    B G4UPS
10230842 SR6SIX 599 -0851           B G4UPS
10280910 SR5SIX 569                 B G4UPS
```

PORTUGAL

```
10111540 CT0WW 579                  B G4UPS
10121040 CT0WW                      B 9A3FT
10121350 CT0WW 599                  B G4UPS
10130940 CT0WW  579                 B G4UPS
10231050 CT0WW  449 --> 599         B G4UPS
10231259 CT1AUW 59/59 IN60          S G4UPS
10231348 CT0WW  599                 B G4UPS
10231420 CT0WW  IN61  > JO65 -1420  B SM7AED
10251211 CT0WW  559 IN/OUT -1223    B G4UPS
10311318 CT0WW  449 --> 599         B G4UPS
11052058 CT0WW  519          50.030 B G0JHC
```

RUSSIAN FEDERATION (Europe)

```
09271515 UA TV VY STRONG AU  49.750 V SM7AED
10281050 UA  INBAND TV STRONG        I G4UPS
```

SARDINIA

```
10111616 IS0QDV 59/59 JM49PF MARIO  S G4UPS
10111800 IS0QDV 59                    G4UPS
10311057 IS0QDV 59 JM49>JN45 50.152   I2WSG
```

SCOTLAND

```
09271516 GB3LER  IP90 > JO65        B SM7AED
10041245 GB3LER         AU          B SM7AED
10070738 GB3LER 569 -0744           B G4UPS
10201530 GB3LER         AU          B SM7AED
10301545 GB3LER 52A   > JO22          PA3GML
10301600+GB3LER -1700  > JO65  AU    B SM7FJE
10301650 GB3LER -1710  > JO65  AU    B SM7AED
10311811 GB3LER 53A IP90>JO56  .064 B OZ5AGJ
```

SERBIA

```
10281127 YU1SIX 599    -1230        B G4UPS
```

SLOVAKIA

```
10311112 OM3CM  CQ CW        50.110   IK8DYD
```

SLOVENIA

```
10111342 S55ZRS 579                 B G4UPS
10121540 S55ZRS 579                 B G4UPS
10121547 S53BB 599/599 JN76HF BORIS C G4UPS
10231408 S55ZRS 579   -1445         B G4UPS
10281127 S55ZRS 599    -1230        B G4UPS
10311255 S55ZRS 579 --> 599  -1315  B G4UPS
```

SPAIN

```
10041405 EH7AG           >IO91        G3HBR
10111506 EH1EH  57/55 IN82PO FELIX   S G4UPS
10111515 EH1DVY/P 55/55 IN82RC       S G4UPS
10111518 EH1EH  IN82  > JO54 ES        OZ3ZW
10111524 EH1DVY/P IN82 > JO54 ES       OZ3ZW
10111539 EH1EH 599/599 IN82          C G4UPS
10121057 EH7AG 57/57 IM86SU ANDREAS  S G4UPS
10121350 EH1EH 57, WK 1402 59/59     S G4UPS
10121402 EH1DVY/P 59                 H G4UPS
10121415 EH1EH  IN82  -1650 WK 1510  H SM7AED
10121419 EH1BFZ/P 59/57 IN82RC       S G4UPS
10121615 EH3EM 599/599 JN11CM JOAN   C G4UPS
10231237 EH3LL  59                   H G4UPS
10231243 EH1EH  IN82     -1520        SM7AED
10231256 EH1KV  599/599 IN52         C G4UPS
10271501 EA4                           DD0VF
10280940 EH1EH              > IO70     G
10280945 EH1EH  449         > IO80     G4UPS
10301158 EH1EH  579/569 IN82         C G4UPS
10311314 EH5YB/5 CLG CQ>JN71 50.115    IK8MKK
10311401 EH1EH  VY STRONG    50.155    IK0SME
```

SWEDEN

```
09271716 SM4DHN  JP70 > JO65 AU        SM7AED
09271730 SM2HTM KP07  > JP81 AU        SM3EQY
09271741 SM0FMT  JO89 > JO65         W SM7AED
09271747 SM4POB  JP70 > JO65         H SM7AED
09271800 SM3SIX  JP71 > JO65         B SM7AED
09272045 SM0CHH  JO89 > JO65           SM7AED
09272052 SM0AJU  JO99 > JO65         W SM7AED
10010727 SM7AED 559/449  >IO80JV     C G4UPS
10010930 SM7FJE 579/559-->599        C G4UPS
10040748 SM7AED 559/449              C G4UPS
10050752 SM7AED 559/339              C G4UPS
10060749 SM7AED 559/339              C G4UPS
10070748 SM7AED 559/449 599 @ 0758   C G4UPS
10080736 SM7AED 559/339              C G4UPS
10090750 SM7AED 599/599              C G4UPS
10100752 SM7AED 569/459              C G4UPS
10130750 SM7AED 559/449              C G4UPS
10131355 SK3SIX 579   <1440           B G4UPS
10131359 SM4BRD 599/599 JP70LW INGMAR G4UPS
10131439 SM3EQY 58/58 HAKAN          S G4UPS
10140750 SM7AED 569/569              C G4UPS
10150735 SM7AED 569/449              C G4UPS
10160754 SM7AED 559/339              C G4UPS
10182243 SM1PHN       > JP81 AUE       SM3EQY
10182300 SM3EQY         AU             G3HBR
10200752 SM7AED 559/559              C G4UPS
10210759 SM7AED 599/599              C G4UPS
10280837 SM7AED 579/559              C G4UPS
10300842 SM7AED 579/559              C G4UPS
10301600 SM4DHN -1700       > JO65   H SM7FJE AU
10301600+SK3SIX -1700       > JO65   B SM7FJE AU
10301638 SM0OGX JO89  > JO65           SM7FJE AU
10301650+SM4DHN -1710 JP60 > JO65    H SM7AED AU
```

```
10301650+SK3SIX -1710 JP71 > JO65    B SM7AED AU
10311015 SM7AED 579 CLG CQ           H G4UPS
```

SWITZERLAND

```
10121539 HB9KNA 59/57 JN471QJ MARK   S G4UPS
10221625 HB9KLS              50.110   PA3GHS
```

Reports of North America

This month the only timely TV DX report with Es was submitted by Danny Oglethorpe from Shreveport, LA.

BAHAMAS: Bill Wiseman, KM1E/C6AGN writes that he plans to return to Green Turtle Cay about mid-December, and will remain until some time in April less a few week's absence probably in Feb/mid-March.

CANADA

```
10250059 CKND2  2 MB  1279      > LA T OGLETHORPE
10250250 VE7SKA              50.125   K7NO
10251645 VA8BCN 599 FN03     50.049 B N4EJW
10251645 VE3UBL 599 FN03     50.058 B N4EJW
11211730-VE3 FN25                     KS0F
```

COSTA RICA

```
10231915 TI2NA 569 EJ79>EL97 50.078 B N4EJW
```

CUBA: 50 MHz results of the CO1OTA IOTA expedition to Cayo Jutia (EL72xq): CO2OJ reports that from the top of the lighthouse, 150' ASL, between November 23 2300Z until November 24 0230, they worked 105 stations in 47 grids, 101 were DX from FL, TN, MO, KY, IL, IN, TX. (On 144 MHz they had 68 QSOs in 25 grids, the furthest being XE2OR at 1730 km. On 432 MHz they had 12 QSOs in 9 grids, the furthest being WB5LUA at 1690 km.)

```
1014      CO2OJ          > FM19        N3JLE
10240040 Cuba    2 CU          > LA T OGLETHORPE
10240045 Cuba    5 CU //2      > LA T OGLETHORPE
10240050 Cuba    4 CU //2,5    > LA T OGLETHORPE
```

MEXICO

```
10102400 unID    2    XEW        > LA T OGLETHORPE
10110110 unID    2    XEW        > LA T OGLETHORPE
10110130 unID    4    Mexico     > LA T OGLETHORPE
10110145 unID    2    XEQ        > LA T OGLETHORPE
10121555 unID    2    XEW        > LA T OGLETHORPE
10121605 unID    4    Mexico     > LA T OGLETHORPE
10191445 unID    2    Mexico     > LA T OGLETHORPE
10231555 XEFB    2 NL   611      > LA T OGLETHORPE
10231610 unIDs   5    Mexico     > LA T OGLETHORPE
10231612 unID    4    Mexico     > LA T OGLETHORPE
10231715 unIDs 2,5    XEW        > LA T OGLETHORPE
10231715 XHBS    4 SI/SO         > LA T OGLETHORPE
10231851 XE2UZL 599 DM10      50.027 B N4EJW
10232028 unIDs 4,5    Mexico     > LA T OGLETHORPE
10232343 unID    2    XHGC-5     > LA T OGLETHORPE
10241825 unID    2      XEW      > LA T OGLETHORPE
11210100+XE2LQB BS FM NE NOT DIRECT H NU8I/7
11210245 XE2LQB DL98          > DN43  H KR8L/7
```

ST KITTS&NEVIS

```
11080018 V44K                50.055 B PY2OU
```

United States, W1

```
10251655 WA1OJB 549 FN54     50.066 B N4EJW
11171354 W1RJA  FN31 > EM84 4MIN MS   KP4SX/4
11171357 W1ENQ  FN32 > EM84     MS    KP4SX/4
11211815 WA1OJB ME FN54>EN62 50.065 B WB9GYT
11211821 N1PAF  FN31  > EN62 WI       WB9GYT
11211942 WS1K   FN41 > EN62 WI        WB9GYT
11211954 KA1A   FN43 > EN62 WI        WB9GYT
11212017 W1/WP4O  FN41 > EN62 WI      WB9GYT
11212042 W1ZQT  FN31 > EN62 WI        WB9GYT
11212234 W1WHL  FN31 > EN62 WI        WB9GYT
11212318 N1MHH  FN42 > EN62 WI        WB9GYT
```

United States, W2

```
11171335 N2VBK  FN02 > EM84     MS    KP4SX/4
11211757 WA2AEY S8  FN23              KS0F
11212002 N2QZA  FN30 > EN62 WI        WB9GYT
11212032 KB2SFA FN20 > EN62 WI        WB9GYT
11212038 W2TF   FN20 > EN62 WI        WB9GYT
11212222 KB2TGU FN20 > EN62 WI        WB9GYT
11212225 KA2WMQ FN20 > EN62 WI        WB9GYT
11212227 K2DZM  FN20 > EN62 WI        WB9GYT
11212231 N2MCI  FN33 > EN62 WI        WB9GYT
```

United States, W3

```
10241650 W3VD 599  FM19       50.064 B N4EJW
10241658 W3JO      FM29       50.125 S N4EJW
10251759 KDKA   2 PA   945     > LA T OGLETHORPE
10290015 KDKA   2 PA   945     > LA T OGLETHORPE
11211831 KD3RY  DE    > EN62 WI       WB9GYT
11211936 N3QYA  FM18 > EN62 WI        WB9GYT
```

United States, W4

```
10102355 WPBTt  2 FL          > LA T OGLETHORPE
10121625 WCBD   2 SC   805     > LA T OGLETHORPE
10121635 WPBT   2 FL   939     > LA T OGLETHORPE
10231915 WPBTt  2 FL           > LA T OGLETHORPE
10232359 WPBT   2 FL   939     > LA T OGLETHORPE
10240005 WFOR   4 FL   939     > LA T OGLETHORPE
10240010 WPTV   5 FL   912     > LA T OGLETHORPE
10240010 WTVJ   6 FL   939     > LA T OGLETHORPE
10240051 WA4NJY  EL88>EM50   50.125   KC5KBD
10241235 WCBD   2 SC   805     > LA T OGLETHORPE
10241350 WCIV   4 SC   805     > LA T OGLETHORPE
10241645 WESH   2 FL   789     > LA T OGLETHORPE
10241645 WFOR   4 FL   939     > LA T OGLETHORPE
10241645 WPBT   2 FL   939     > LA T OGLETHORPE
10241645 WPTV   5 FL   912     > LA T OGLETHORPE
10251653 KB4TEQ   59 EM73 > DM65VT  W W5DO
10251728 WUND   2 NC  1031     > LA T OGLETHORPE
10251731 WUNC   4 NC   875     > LA T OGLETHORPE
10251835 WFMY   2 NC   838     > LA T OGLETHORPE
10251845 WCBDt  2 NC           > LA T OGLETHORPE
10251908 WB4OQX   58 EM81 > DM65VT  W W5DO
11051641 KE4HGD FM04 > EM50  50.125   KC5KBD
11211826 W4/KP4XS EM84 > EN62         WB9GYT
11211849 KD4CAN FM18 > EN62 WI        WB9GYT
11211950 W4/KP4XS    > EN62 WI        WB9GYT
11232300 W4 FL,TN,KY > EL72 -240230   CO1OTA
11260105-KF4WE   EM56 > DM65 50.131 W KK6MC/5
11260110-K4TQR   EM24 > DM65         B KK6MC/5
11260145-KD4MQA  EM64 > DM65 50.131 W KK6MC/5
11260410-KD4CIJ  EM64 > DM65 50.131 W KK6MC/5
```

United States, W5

```
10231555 KDBCt  4 TX CBS       > LA T OGLETHORPE
10231900 WA5UUD      > EL97  50.125 H N4EJW
10231902 WB5LUA 559 EM13     50.070 B N4EJW
10240103 KB5WNA  TX > FL     52.525   KT4DI
10240104 WB5UGT  TX > FL     52.525   KT4DI
10241658+W5                          H N4EJW
10241703 WB5LUA 599 EM12     50.071 B N4EJW
10250300 W5, TX, AR  -0400           K6QXY
10250330 W5WOX   DM82        50.125   WN6W
10250345 W5  TX  -0415 > DN30        H NJ7A
10251630 KB5RKO   58 EM30 > DM65VT  W W5DO
10251630 W5, EM73                    K6QXY
10291705 WB5FCR/5 57 EM12 > FM05     S KD4MYC
10291706 N5WKW    56 EM15 > FM05     S KD4MYC
10291722 KB5RKO   59+EM30 > FM05    S KD4MYC
10291740 KC5ADG   56 EM12 > FM05     S KD4MYC
10291744 WD5K     59 EM12 > FM05     S KD4MYC
10291756 KC5LXO   57 EM21 > FM05     S KD4MYC
10291805 W5TLV    57 EM23 > FM05     S KD4MYC
10291818 KB5SXV   59 EM01 > FM05     S KD4MYC
10291822 KC5IVN   58 EM21 > FM05     S KD4MYC
10291840 WB5NRI   59 EM22 > FM05     S KD4MYC
11161730 N5ZVG  EM18 S9+40           S KP4SX/4
11210100+W5 OK, TX, AR -0330 > DM43   NU8I/7
11210140 WB5SUR  59+40 EM02 > DN30    NJ7A
11210140+K5HV, W3XO/5  EM00 > DN30    NJ7A
11211838 WA5HGG EL29 > EN62 WI        WB9GYT
11211843 W5/W3XO EM00 > EN62 WI       WB9GYT
11211853 KI5X   EM10 > EN62 WI        WB9GYT
```

```
11211857 WA5OMD EM10 > EN62 WI          WB9GYT
11211902 N5ZPW  EL09 > EN62 WI          WB9GYT
11211909 WA5JCI EM21 > EN62 WI          WB9GYT
11211925 KB5GIM EM11 > EN62 WI          WB9GYT
11211928 KB5TKG EM10 > EN62 WI          WB9GYT
11232300+W5 TX        > EL72 <240230    CO1OTA
11260046 W5  NM DM76 > EN62 WI          WB9GYT
11260135-KC5AGK  EM25 > DM65 50.131 W KK6MC/5
11260155-N5VMN   EM25 > DM65 50.131 W KK6MC/5
11260202 W5/N0IPL 59  DM76 > EM48   W WA0KBZ
11260230+N5JEH DM65 > DM09 NV <0338   NC7K
11260230+N5TML EM14 > DM09 NV <0338   NC7K
11260230+W5DO  DM65 > DM09 NV <0338   NC7K
11260230+W5FF  DM64 > DM09 NV <0338   NC7K
11260255 W5/KK6MC 59  DM65 > EM48   W WA0KBZ
```

United States, W6

```
10251714 KD6GIJ   59 CM98 > DM65VT   W W5DO
10291800+AA6DD    52 DM13 > FM05     H KD4MYC
11260200+W6 DM03,04,13,14 > EM48     H WA0KBZ
11260235-WB6VYH  CM98 > DM65 50.131 W KK6MC/5
11260245-KC6RPW  CM95 > DM65 50.131 H KK6MC/5
11260250 KC6RPW   59  CM95 > EM48   W WA0KBZ
```

United States, W7

```
10182233 W7HAH 42A/58A >DN30 50.125 C NJ7A
10231855 K7CA   59/59 DM26   50.125 S N4EJW
10250300 W7, AZ       -0400          K6QXY
10250416 K7CW CN87 > DM12    50.160   N7CW
10250424 KK7N CN85 > DM14    50.125   N6XTT
10251450 KTVX   4 UT  1160     > LA T OGLETHORPE
10251450 KUTV   2 UT  1160     > LA T OGLETHORPE
10251455 KSL    5 UT  1160     > LA T OGLETHORPE
10251535 KSGIt  4 UT ANCNx     > LA T OGLETHORPE
10251550 KVVU   5 NV  1238     > LA T OGLETHORPE
10251610 KNAZ   2 AZ  1045     > LA T OGLETHORPE
10260230 W7, OR, WA                  K6QXY
10291720 K7VYL    59 DM43 > FM05     S KD4MYC
11211917 KB7IJ  EM12 > EN62 WI       WB9GYT
11260330-W7  DN26, DN74 > DM43       W AA7WD
```

United States, W8

```
10251710 WA8HTL 599 EN82     50.062 B N4EJW
10251711 WA8R   569 EM79    50.0625 B N4EJW
11010030 WA8GXM  59+ EN90 > EL96     WA2YPY/4
11051700 N8YSF       EM89            CO2OJ
11211750 W8COY  EN74  > EM84         KP4XS/4
11211820 WA8FTA WKG N1PAF    50.124 H WB9GYT
11211831 WA8FTA EN52  > EM84         KP4XS/4
11211832 W8/KG7Z   EN66 > EM84       KP4XS/4
11211839 KB8URZ EN66  > EM84         KP4XS/4
11260040-WA8FTA  EN53 > DM65 50.131 W KK6MC/5
```

United States, W9

```
10172220 WBAYt  2 WI           > LA T OGLETHORPE
10291704 WB9CQX   58 DM33 > FM05    S KD4MYC
11051610+KC9RC       EN60            CO2OJ
11051610+W9/7M2RSC                   CO2OJ
11051610+W9JMF       EN62            CO2OJ
11171344 WA9LWJ EN54 > EM84     MS   KP4SX/4
11171346 WS9T   EN53 > EM84     MS   KP4SX/4
11211821 WB9GYT EN62  > EM84         KP4XS/4
11211913 AA9PC  EN63 > EN62 WI       WB9GYT
11211939 N9LAD  EN62 > EN62 WI       WB9GYT
11232300+W9 IL,IN    > EL72 <240230  CO1OTA
11260030+N9QBU   EM53 > DM65 50.131 W KK6MC/5
11260205-N9RXM   EN41 > DM65 50.131 W KK6MC/5
11260215-WB9ZU   EN53 > DM65 50.131 W KK6MC/5
11260340-N9ZPP   EM68 > DM65 50.131 W KK6MC/5
```

United States, W0

```
10231910 N0EOQ  599 EM24     50.060 B N4EJW
10241703 N0EOQ  599 EM24     50.062 B N4EJW
10250058 KGFE   2 ND  1086     > LA T OGLETHORPE
10250145 KXMA   2 ND  1110     > LA T OGLETHORPE
10251500 KREXt  5 CO           > LA T OGLETHORPE
10251501 KCNCt  4 CO           > LA T OGLETHORPE
10251501 KWGN   2 CO   806      > LA T OGLETHORPE
10251750 KWGN   2 CO   806      > LA T OGLETHORPE
11161728 N0LL   EM09                S KP4SX/4
11210100 W0 KS, MO  -0330   > DM43   NU8I/7
11211710 KA0JGH 57/58 NE EN10>FN31    N1QVE
11211730 K0TLM 58/56 MO EM29 > FN31   N1QVE
11211752 K0GJX  EN35  > EM84          KP4XS/4
11211823 KF0IA  DM79  > EM84          KP4XS/4
11211836 KB0QAK DN70  > EM84          KP4XS/4
11232300+W0 MO       > EL72 <240230   CO1OTA
11260050-WA0BWE  EN34 > DM65 50.131 W KK6MC/5
11260100-KB0OCM  EN31 > DM65 50.131 W KK6MC/5
11260115-N0EOQ   EM63 > DM65        B KK6MC/5
11260225-N0URW   EN41 > DM65 50.131 W KK6MC/5
11260230+N0IPL DM76 > DM09 NV <0338   NC7K
11260242 W0/WG6K  59  DM67 > EM48   W WA0KBZ
11260255 WA0KBZ  EM48 > DM65 50.131 W KK6MC/5
11260310-KB0PPQ  EM29 > DM65 50.131 W KK6MC/5
11260325-KB0AED  EM29 > DM65 50.131 W KK6MC/5
11260355-KB0OYA  EM49 > DM65 50.131 W KK6MC/5
11260420-KB0LRA  EM29 > DM65 50.131 W KK6MC/5
```

Reports of Oceania

AUSTRALIA-VK1

```
11070811 VK1DUC              50.130 S JF3QJR
```

AUSTRALIA-VK2

```
11030500-VK2HC, VK2ANZ                ZL3NW
11070800 VK2BA       > PM63 50.120 S JA5CMO
11070803 VK2VC              50.120 S JA5CMO
11070803 VK2VC              50.130 S JF3QJR
11070808 VK2ZDX             50.120 S JA5CMO
11070811 VK2ZDG             50.120 S JA5CMO
11070832 VK2APG             50.110 S JA5CMO
11070839 VK2TWR             50.120 S JA5CMO
11070843 VK2APG             50.110 S JF3QJR
11070846 VK2TWR             50.130 S JF3QJR
11160646 VK2ZDX             50.120 S JH1WHS
11160705 VK2APG             50.145 S JH1WHS
11160713 VK2VC              50.115 S JH1WHS
```

AUSTRALIA-VK3

```
11060620 VK3XQ              50.110 S JH1WHS
11060623 VK3DLM             50.110 S JH1WHS
11060625 VK3BQS             50.150 S JH1WHS
11060638 VK3ALM             50.150 S JH1WHS
11060650 VK3TMJ             50.110 S JH1WHS
11060651 VK3BBB             50.110 S JH1WHS
11060653 VK3KMF             50.110 S JH1WHS
11070625 VK3BQS  59         50.150 S JA6IMJ
11160650 VK3DUT             50.130 S JH1WHS
```

AUSTRALIA-VK4

```
11040502 VK4ZX       > PM53 50.120 S JH6VXP
11060346 VK4GPS             50.110 S JH1WHS
11060348 VK4AFL             50.135 S JH1WHS
11060352 VK4ZAA             50.135 S JH1WHS
11060405 VK4WTN             50.120 C JH1WHS
11060609 VK4GMH             50.130 S JH1WHS
11070154 VK4BRG  59 > QF22          S VK3ALM
11070407 VK4AFL  59 > QF22   50.150 S VK3ALM
11070509 VK4GMH      > PM63 50.110 S JA5CMO
11070510 VK4GMH  59+        50.110 S JA6IMJ
11070512 VK4AFL  59  & 0525  50.130 S JA6IMJ
11070519 VK4BRG     > PM63 50.0775 B JA5CMO
11070520 VK4WTN  56         50.110 S JA6IMJ
11070525 VK4WTN      > PM63 50.180 S JA5CMO
11070530 VK4AFL             50.130 S JA5CMO
11070530 VK4APG             50.130 S JA5CMO
11070545 VK4APG  53         50.110 S JA6IMJ
11070700 VK4BRG 529 > QF22   50.077 B VK3ALM
11080505 VK4BKM/M           50.145 S JH1WHS
11080510 VK4GMH/M           50.145 S JH1WHS
11080515 VK4BKM/M           50.140 S JF3QJR
11080520 VK4AFL  59+        50.120 S JA6IMJ
11080521 VK4WTN             50.130 S JF3QJR
11080522 VK4AFL             50.120 S JH1WHS
11080522 VK4BKM/M 59+       50.110 S JA6IMJ
11080525 VK4WTN   59        50.110 S JA6IMJ
11080527 VK4AFL  59 CLG CQ  50.110 S JA1-3,6
11130610 VK4AFL             50.130 S JH1WHS
11160628 VK4PU              50.110 C JH1WHS
11170532 VK4GMH             50.110 S JA5CMO
11170533 VK4AFL             50.110 S JA5CMO
11170534 VK4WTN             50.130 S JA5CMO
```

```
11170550 VK4WTN                50.120 S JH1WHS
11260705 VK4TVI 58   > QF22   50.150   VK3ALM
11260708 VK4AFL 59+ BRISBANE  50.160   VK3ALM
11260712 VK4KR  59  KOOROY    50.160   VK3ALM
```

AUSTRALIA-VK6

```
11070541 VK6AS   55 > QF22    50.120 S VK3ALM
```

AUSTRALIA-VK7

```
11060643 VK7ZMF               50.110 S JH1WHS
```

HAWAIIAN IS.

```
09221500 KH6HME   52 -1800    144.07 B K6QXY
11140938 KHON   2 HI -1223    55.260 V ZK1AA
11181200~KHON   2 HI  WEAK    55.260 V ZK1AA
11201020 KHON   2 HI -1140 WK55.260 V ZK1AA
11271210 KHON   2 HI -1240 WK55.260 V ZK1AA
```

NEW ZEALAND

```
11030230+ZL VID   45.24,45.25,45.26 V JA
11030244 ZL AUD   50.74,50.75,50.76 F JA3EGE
11030302 ZL4AAA  RF65         50.110 S JA5CMO
11030310 ZL TV AUDIO          50.750 F JA1VOK
11030310 ZL4AAA  52           50.110 S JA3EGE
11030320+ZL3NE S9+            50.106 C JA3
11030328 ZL1MQ  579           50.110 C JA3EGE
11030333 ZL3NE                50.110 S JA5CMO
11030335 ZL3NE   59           50.107 S JA3EGE
11030343 ZL1MQ   RF73         50.110 S JA5CMO
11030353 ZL3BA                50.130 S JA3JTG
11030359 ZL2KT   RF80         50.130 S JA3JTG
11030404 ZL2AGI  RF80         50.110 S JA3JTG
11030411 ZL2KT                50.110 S JA5CMO
11030412 ZL3NE   RE66         50.113 S JA3JTG
11030425 ZL3NE                50.106 C JA1VOK
11030426 ZL3TY   RE57 > PM53  50.110 S JH6VXP
11030429 ZL1MQ                50.108 C JA1VOK
11030430 ZL TV AUDIO          50.760 F JA1VOK
11030534 ZL2TPY  RF70         50.110 S JA5CMO
11070245 ZL TV VID S1 > QF22  45.260 V VK3ALM
11070350 ZL TV VID S5 > QF22  45.240 V VK3ALM
11260630 ZL TV VID S9 >QF22   45.240 V VK3ALM
11260648 ZL2AIG 57 2755 KM    50.130   VK3ALM
11260654 ZL2KT  58 HASTINGS   50.130   VK3ALM
12010200 ZL TV -0400  45.24/.25/.26 V ZK1AA
12010200 ZL TV -0400  WEAK    55.260 V ZK1AA
```

Reports of South America

BRAZIL

```
11052157 PY2AA/B LABRE SP     50.059 B PY2RO
```

FALKLAND IS.: ZL1MQ writes that VP8CSA will be operating 50 MHz with 100W and a 5 el beam until next May-June.. He will be remembered as ZB0T, who worked several ZL1 stations from Gibraltar in 1992.

VENEZUELA

```
11040257 YV4AB                50.0253 B PY2RO
11060005 YV4YC                 50.110   PY2OU
11070008 YV6DBX                50.110   PY2RO
11080016 YV4AB                 50.025 B PY2OU
```

EME News

Bob, K6QXY, advises that his new 6 meter EME array is just about finished. The "H" frame is up and the new antennas are nearly finished. They are four 3λ Yagis on 63' booms. They will be stacked 35' X 37', and the estimated gain is just under 20.0 dBd. He has several takers in Europe to try and run with as soon as the array is ready.

Shep, W7HAH, advises that during the EME contest he did hear VE3ONT on 6 meters when the moon crossed his antenna's 6° lobe, but he was very weak at the 12° lobe.

Letters

Geoff, XE1GE, writes: "Sorry for the delay in writing, but I have had so many problems recently and having also difficulty with my eyesight.

I did manage to QSO with XR0Y Easter Island on 14195, 18145, 21295 & heard them on 28495. I also worked XR0Z on Salas y Gomez on 14260. I also ran a couple of tests with Max at XR0Y on 50 MHz with no results. I also heard later that Max did not hear anything on 50 MHz from anywhere. In a good season I usually worked the South Pacific area around 2100-2200 UTC.

RE: the SMIRK list of XEs on 6 meters, I would like to add the following station, XE1IK, Horst L. Dobler, P.O. Box 1-859, Cuernavaca, MOR. 62001, MEXICO. His grid square is the same as mine, EK08. The two local stations, XE1RFM and XE1RFN have 6 meter rigs, but have not been active for a long time. As I think I mentioned before, we are trying to increase the number of XEs who meet on 7045 kHz every Sunday morning at 1015 CST! This is the best band where we can reach them and make skeds on 6 meters. I recently met Ramon, XE1KK, and have a sked on 6m.

G.W. Lord, Apto Postal I-875, Cuernavaca, Mor. 62001 MEXICO."

Shep, W7HAH, writes: "I have a question that I would to hear some comments on. Several days ago, I received a packet of QSLs from the 7th district QSL bureau. One of the cards was from a short wave listener in the Netherlands "NL213". On his card he states he heard me on 6 meters, August 12th, 1994 at 0808GMT. At that time I was calling WB7QBS/KL7 on 50.135 MHz during the Perseids meteor shower, in the grid square CO46. My heading toward him was approximately 345 degrees. My antenna system is an 11 element M-square at 65 feet; the beamwidth is 30 degrees, the amplifier I was using is an 8877 with 1500 Watts output. My question is what would be the propagation for him to hear me, what might be the total distance in the case and why? We are at a low point in the sunspot cycle."

SM7AED reported DL, LA, OY, G, etc., around this time. Some of the activity was meteors, but I think there was some Es as well. Bob, K6QXY, reports the A index for the day was 20, and the K_p was 4. The distance is too great to be covered by scattering from two meteor trails (one at each end of the path), and the losses would be too great for more. I would have to postulate the existence of sufficient ionization in the E-region to allow ducted propagation of 50 MHz over much of the path. W7HAH's signals would then be scattered into the duct by one or more meteor trails and out of the duct by Sporadic-E at the European end of the path. Auroral E or meteor ions (when sunlit) might provide the needed ionization; however I'd be more sure about this if NL-213 hadn't received our September 94 bulletin, in which the QSO information appeared.

QSL Info

To correct an error in October's bulletin, the name and address we gave for YO7VJ was really YO7VS, who is also on 6m. Mail may also be sent to YO7VS at the address below.

YO7VS: Dietmar Arnulf Schmidt-Bold, P.O. Box 63, R-1100-Craiova-1, Judetul Dolj, ROMANIA.

YO7VJ: Emil Nistorescu, P.O. Box 107, R-1100-Craiova-1, Judetul Dolj, ROMANIA.

SV9ANK:, via PA3DDY, B. vd Burg, Voorstaat 47, 3231 Be Brielle, NETHERLANDS.

4K6D: QSL reported received by 1)bureau, 2)R3VHF, 3)UA9AB QSL Service, PO Box 17, Troitsk 457100 Chelyabinskoy.

SP5QWB: Bart Wiacek, P.O. Box 78, 03-996 Warsaw 131, POLAND.

SP8NCJ: A. Tarkowski, Wilczyn 20, 21-500 Biala Podlaska, POLAND.

Beacon News

Marion Island: ZR1DCE/ZS8 on 50.200 CW, see News of Africa for details.

GB3NGI is currently off the air while the TX is rebuilt. It will be back on the air from the same site in January. Sometime mid to late 1996 it will move site with only a short break in transmission. A 2m beacon at NGI is currently going through the licensing procedure and will start at the new site as soon as the licence is obtained - hopefully 1st quarter 1996.

GB3SIX is currently off the air with TX problems exact date of return is uncertain but forecast is early 1996.

Poland: Tom, SP5XMU, sends information on the following Polish 6m beacons:
SR5SIX located in KO02OF, close to the capital, Warsaw, 50.023, A1, 3.7W, E/W dipole at 120m ASL. SWL reports to bureau or c/o Mark Reszka SP5HEJ, ul.Willowa 9 m 5,00-750 Warsaw, POLAND.
SR6SIX (KN19) is a new beacon prepared by Mark, SP5HEJ, and Tom, SP5CCC, is being tested on 50.007±.001. A1, 5W, dipole @ 630m. Fully operational in Spring '96?
SP3&SP4 beacons are ready, waiting fro transmit frequency and callsigns. Testing in Spring '96?

FO5DR, which was being operated only during the daytime, is no longer being operated at all; a victim, I am afraid, of TVI and lack of activity.

New Zealand: ZL3AAU writes: "I have been asked by the Christchurch West Radio Club to inquire among 6m operators about circuits for a replacement crystal-controlled beacon transmitter for the ZL3MHF beacon. At present it is using an Icom 551D with a keyer unit, but frequency stability is a problem. When mains power is lost and battery voltage drops from 13.8V to 12V, it jumps from 50.043 to 50.100.

Another option would be to purchase a built-up unit, but I don't know how the club is situated regarding funds. Do you know of any commercial suppliers. The hut temperature ranges from -15°C to +40°C and RF power out is 50-80W.

John G. Miller, Whitewood Cres., RD5, Christchurch 8021 NEW ZEALAND."

Well, there's hamtronics' TA51 2W FM exciter (kit $99, wired/tested $169) and they also sell some VHF amplifiers. Mirage also sells a A-1015-G 150W (for 10W in) amplifier for $389. The two don't quite match up. Myself, I'd opt for modifying a surplus lo-band commercial FM unit. If you intend to operate at a 100% duty cycle with FSK, special attention to cooling will be needed. Perhaps some of our readers will have better ideas.

Mexico: XE1KK in Mexico City indicates that he is interested in obtaining and running a 6m beacon.

December 1995 6m Beacon List I

GJ4ICD posted the latest round of 6m beacon lists which he and G4MJS updated; and I've made some additions and deletions as well. More next month! Corrections?

FREQ:	CALL:	GRID:	PWR:	ANT:
50.000	GB3BUX	IO93	15	TURNSTILE
50.003	BV2FG	PL05	3	5/8 VERTICAL (QRT SUNDAYS)
50.003	7Q7SIX	KH74	5	
50.004	PJ2SIX	FK52	22	4 * D/P HORIZ/OMNI
50.005	ZS2SIX	KF25	25	DIPOLE
50.008	VE8SIX	CP38	85	4 ELE
50.008	HI0VHF	FK58	??	???
50.008	XE2HWB	DL44	5	6 EL BEAM
50.010	SV9SIX	KM25	30	VERTICAL DIPOLE
50.010	JA2IGY	PM84	10	5/8 G/PLANE
50.012	JD1ADP	QL17	10	
50.013	CU3URA	HM68	05	5/8 VERTICAL
50.013	S55ZRS	JN76	8	G/PLANE
50.0155	LU9EHF	FF95	15	DIPOLE
50.017	JA6YBR	PM51	50	TURNSTILE
50.019	P29BPL	QI30	30	1/4 GP
50.019	CX1CCC	GF15	05	G/PLANE
50.021	OZ7IGY	JO55	20	TURNSTILE
50.0215	FR5SIX	LG78	02	HALO
50.023	LX0SIX	JN39	05	DIPOLE
50.023	SR5SIX	KO02	07	1/4 G/P
50.025	OH1SIX	KP11	40	8 * D/P HORIZ/OMNI
50.025	YV4AB	FK50	15	RINGO
50.025	9H1SIX	JM75	07	5/8 G/PLANE
50.027	JA7ZMA	QM07	50	2-TURNSTILE
50.028	SR6SIX	JO81	10	G/PLANE
50.028	XE2UZL	DM10	25	2 SQ/LOOPS
50.030	CT0WW	IN61	40	DIPOLE 700M
50.031	VE6XIS	DO21	25	4 EL YAGI 1000mts
50.032	JR0YEE	PM97	02	LOOP
50.0325	ZD8VHF	II22	50	5/8 JVL
50.0335	LU8YYO	FF50	1.5	1/2 VERTICAL
50.035	ZB2VHF	IM76	30	5 EL CNFD
50.037	ES0SIX	KO18	15	X/DIPOLES
50.037	JR6YAG	PL36	10	2 - 5/8 GP
50.037	FY7THF	GJ35	100	G/PLANE
50.039	VO1ZA	GN37	1	1/4 WAVE
50.040	SV1SIX	KM17	25	VERTICAL T/STILE
50.042	GB3MCB	IO70	40	1/2 DIPOLE
50.043	ZL3MHF	RE66	20	VERTICAL
50.046	VK8RAS	PG66	15	X/DIPOLE
50.047	JW7SIX	JQ88	10	4 El/YAGI
50.0472	4N1SIX	KN04	10	VEE
50.049	VA3BCN	FN03	2	D/POLE
50.050	ZS6DN	KG44	100	5EL
50.050	GB3NHQ	IO91	15	TURNSTILE CNFD ON
50.051	LA7SIX	JP99	30	4 EL BEAMING 190
50.052	PA3FYM	JO22	9	DIPOLE N/S
50.052	Z21SIX	KH52	08	1/4 G/PLANE
50.053	VE1PZ	FN85	15	EGGBEATER
50.0535	VK3SIX	QF02	15	2 * 9 EL
50.054	OZ6VHF	JO57	50	TURNSTILE
50.0555	V44K	FK87	03	5/8 VERTICAL
50.057	TF3SIX	HP94	15	D/POLE
50.057	VK8VF	PH57	20	1/4 VERTICAL
50.058	VK4RGG	QG62	06	
50.058	VE3UBL	FN03	10	TURNSTILE UPDATED
50.059	PY2AA	GG66	5	GROUND PLANE
50.059	JH0ZPI	PM96	10	??
50.060	KA5FYI	EM10	??	??
50.060	W5VAS	????	??	??
50.060	GB3RMK	IO77	40	DIPOLE @ 240M
50.060	K4TQR	EM63	03	D/POLE
50.061	KH6HME	BK29	20	DIPOLE
50.061	KE7NS	DN41	2	1/4 WAVE VERTICAL
50.061	WB0RMO	EN10	50	SQUALO
50.062	WA8R	EM79	1	LOOP
50.062	WA8HTL	EN82	2	OMNI
50.0622	W7HAH	DN28	25	HALO @35'
50.063	KB6BKC	CM88	3	3 EL YAGI
50.064	AA5ZD	EM12	0.2	YAGI @ 25'
50.064	GB3LER	IP90	30	DIPOLE
50.065	W0IJR	DM79	20	2 RING HALO
50.065	KH6HI	BL01	60	TURNSTILE
50.065	W3VD	FM19	7	SQUALO:
50.065	W0MTK	DM59	2	4 VEE/D/POLES
50.0655	GB3IOJ	IN89	10	VERTICAL
50.066	VK6RPH	OF88	10	U/D/POLE
50.066	WA1OJB	FN54	30	J POLE